Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 67780/JPW/AJM/NS	Serial No. 10/764,068
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U.S. PATENT DOCUMENTS

x Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DK	1	Aberg, M. A., Aberg, N. D., Hedbacker, H., Oscarsson, J., and Eriksson, P. S. (2000). Peripheral infusion of IGF-I selectively induces neurogenesis in the adult rat hippocampus. J Neurosci *20*, 2896-903; (Exhibit 1)
DK	2	Altman, J. (1962). Are new neurons formed in the brains of adult mammals? Science *135*, 1127-1128; (Exhibit 2)
DK	3	Altman, J., and Das, G. D. (1965). Autoradiographic and histological evidence of postnatal hippocampal neurogenesis in rats. J Comp Neurol *124*, 319-335; (Exhibit 3)

EXAMINER /E. Yao/ DATE CONSIDERED 3/10/05

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DK	4	Altman, J., and Das, G. D. (1966). Autoradiographic and histological studies of postnatal neurogenesis. I. A longitudinal investigation of the kinetics, migration and transformation of cells incorporating tritiated thymidine in neonate rats, with special reference to postnatal neurogenesis in some brain regions. J Comp Neurol *126*; (Exhibit 4)
DK	5	Bannerman, D. M., Deacon, R. M., Offen, S., Friswell, J., Grubb, M., and Rawlins, J. N. (2002). Double dissociation of function within the hippocampus: spatial memory and hyponeophagia. Behav Neurosci *116*, 884-901; (Exhibit 5)
DK	6	Benraiss, A., Chmielnicki, E., Lerner, K., Roh, D., and Goldman, S. A. (2001). Adenoviral brain-derived neurotrophic factor induces both neostriatal and olfactory neuronal recruitment from endogenous progenitor cells in the adult forebrain. J Neurosci *21*, 6718-31; (Exhibit 6)
DK	7	Blanchard, R. J., and Blanchard, D. C. (1969). Crouching as an index of fear. J Comp Physiol Psychol *67*, 370-5; (Exhibit 7)
DK	8	Blanchard, R. J., and Blanchard, D. C. (1969). Passive and active reactions to fear-eliciting stimuli. J Comp Physiol Psychol *68*, 129-35; (Exhibit 8)
DK	9	Blier, P., and de Montigny, C. (1994). Current advances and trends in the treatment of depression. Trends Pharmacol Sci *15*, 220-6; (Exhibit 9)
DK	10	Bodnoff, S. R., Suranyi-Cadotte, B., Aitken, D. H., Quirion, R., and Meaney, M. J. (1988). The effects of chronic antidepressant treatment in an animal model of anxiety. Psychopharmacology *95*, 298-302; (Exhibit 10)
DK	11	Bodnoff, S. R., Suranyi-Cadotte, B., Quirion, R., and Meaney, M. J. (1989). A comparison of the effects of diazepam versus several typical and atypical anti-depressant drugs in an animal model of anxiety. Psychopharmacology *97*, 277-9; (Exhibit 11)
DK	12	Bremner, J. D., Randall, P., Vermetten, E., Staib, L., Bronen, R. A., Mazure, C., Capelli, S., McCarthy, G., Innis, R. B., and Charney, D. S. (1997). Magnetic resonance imaging-based measurement of hippocampal volume in posttraumatic stress disorder related to childhood physical and sexual abuse--a preliminary report. Biol Psychiatry *41*, 23-32; (Exhibit 12)

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DK	13	Cameron, H. A., and McKay, R. D. (2001). Adult neurogenesis produces a large pool of new granule cells in the dentate gyrus. J Comp Neurol *435*, 406-17; (Exhibit 13)
DK	14	Chen, G., Rajkowska, G., Du, F., Seraji-Bozorgzad, N., and Manji, H. K. (2000). Enhancement of hippocampal neurogenesis by lithium. J Neurochem *75*, 1729-34; (Exhibit 14)
DK	15	Cryan, J. F., Markou, A., and Lucki, I. (2002). Assessing antidepressant activity in rodents: recent developments and future needs. Trends Pharmacol Sci *23*, 238-45; (Exhibit 15)
DK	16	Czeh, B., Michaelis, T., Watanabe, T., Frahm, J., de Biurrun, G., van Kampen, M., Bartolomucci, A., and Fuchs, E. (2001). Stress-induced changes in cerebral metabolites, hippocampal volume, and cell proliferation are prevented by antidepressant treatment with tianeptine. Proc Natl Acad Sci U S A *98*, 12796-801; (Exhibit 16)
DK	17	D'Sa, C., and Duman, R. S. (2002). Antidepressants and neuroplasticity. Bipolar Disord *4*, 183-94; (Exhibit 17)
DK	18	Deacon, R. M., Bannerman, D. M., and Rawlins, J. N. (2002). Anxiolytic effects of cytotoxic hippocampal lesions in rats. Behav Neurosci *116*, 494-7; (Exhibit 18)
DK	19	Degroot, A., and Treit, D. (2002). Dorsal and ventral hippocampal cholinergic systems modulate anxiety in the plus-maze and shock-probe tests. Brain Res *949*, 60; (Exhibit 19)
DK	20	Delgado, P. L., Miller, H. L., Salomon, R. M., Licinio, J., Krystal, J. H., Moreno, F. A., Heninger, G. R., and Charney, D. S. (1999). Tryptophan-depletion challenge in depressed patients treated with desipramine or fluoxetine: implications for the role of serotonin in the mechanism of antidepressant action. Biol Psychiatry *46*, 212-20; (Exhibit 20)
DK	21	Doetsch, F., Caille, I., Lim, D. A., Garcia-Verdugo, J. M., and Alvarez-Buylla, A. (1999). Subventricular zone astrocytes are neural stem cells in the adult mammalian brain. Cell *97*, 703-16; (Exhibit 21)
DK	22	Duffy, S. N., Craddock, K. J., Abel, T., and Nguyen, P. V. (2001). Environmental enrichment modifies the PKA-dependence of hippocampal LTP and improves hippocampus-dependent memory. Learn Mem *8*, 26-34; (Exhibit 22)

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DK	23	Duman, R. S., and Charney, D. S. (1999). Cell atrophy and loss in major depression. Biol Psychiatry *45*, 1083-4; (Exhibit 23)
DK	24	Duman, R. S., Heninger, G. R., and Nestler, E. J. (1997). A molecular and cellular theory of depression. Arch Gen Psychiatry *54*, 597-606; (Exhibit 24)
DK	25	Eichenbaum, H. (1999). The hippocampus: The shock of the new. Curr Biol *9*, R482-4; (Exhibit 25)
DK	26	Feng, R., Rampon, C., Tang, Y. P., Shrom, D., Jin, J., Kyin, M., Sopher, B., Miller, M. W., Ware, C. B., Martin, G. M., Kim, S. H., Langdon, R. B., Sisodia, S. S., and Tsien, J. Z. (2001). Deficient neurogenesis in forebrain-specific presenilin-1 knockout mice is associated with reduced clearance of hippocampal memory traces. Neuron *32*, 911-26; (Exhibit 26)
DK	27	File, S. E., Kenny, P. J., and Cheeta, S. (2000). The role of the dorsal hippocampal serotonergic and cholinergic systems in the modulation of anxiety. Pharmacol Biochem Behav *66*, 65-72; (Exhibit 27)
DK	28	Frank-Kamenetsky, M., Zhang, X., Bottega, S., Guicherit, O., Wichterle, H., Dudek, H., Bumcort, D., Wang, F., Jones, S., Shulok, J., Rubin, L., and Porter, J. (2002). Small-molecule modulators of Hedgehog signaling: identification and characterization of Smoothened agonists and antagonists. J. Biol. 1:10, 10.1-9; (Exhibit 28)
DK	29	Garcia-Verdugo, J. M., Doetsch, F., Wichterle, H., Lim, D. A., and Alvarez-Buylla, A. (1998). Architecture and cell types of the adult subventricular zone: in search of the stem cells. J Neurobiol *36*, 234-48; (Exhibit 29)
DK	30	Gorman, J. M. (2002). Treatment of generalized anxiety disorder. J Clin Psychiatry *63*, 17-23; (Exhibit 30)
DK	31	Gould, E., and Gross, C. G. (2002). Neurogenesis in adult mammals: some progress and problems. J Neurosci *22*, 619-23; (Exhibit 31)
DK	32	Gould, E., and Tanapat, P. (1999). Stress and hippocampal neurogenesis. Biol Psychiatry *46*, 1472-9; (Exhibit 32)
DK	33	Gould, E., Tanapat, P., McEwen, B. S., Flugge, G., and Fuchs, E. (1998). Proliferation of granule cell precursors in the dentate gyrus of adult monkeys is diminished by stress. Proc Natl Acad Sci U S A *95*, 3168-71; (Exhibit 33)

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DK	34	Griebel, G., Simiand, J., Serradeil-Le Gal, C., Wagnon, J., Pascal, M., Scatton, B., Maffrand, J. P., and Soubrie, P. (2002). Anxiolytic- and antidepressant-like effects of the non-peptide vasopressin V1b receptor antagonist, SSR149415, suggest an innovative approach for the treatment of stress-related disorders. Proc Natl Acad Sci U S A *99*, 6370-5; (Exhibit 34)
DK	35	Gross, C., Santarelli, L., Brunner, D., Zhuang, X., and Hen, R. (2000). Altered fear circuits in 5-HT(1A) receptor KO mice. Biol Psychiatry *48*, 1157-63; (Exhibit 35)
DK	36	Gross, C., Zhuang, X., Stark, K., Ramboz, S., Oosting, R., Kirby, L., Santarelli, L., Beck, S., and Hen, R. (2002). Serotonin1A receptor acts during development to establish normal anxiety-like behaviour in the adult. Nature *416*, 396-400; (Exhibit 36)
DK	37	Gurvits, T. V., Shenton, M. E., Hokama, H., Ohta, H., Lasko, N. B., Gilbertson, M. W., Orr, S. P., Kikinis, R., Jolesz, F. A., McCarley, R. W., and Pitman, R. K. (1996). Magnetic resonance imaging study of hippocampal volume in chronic, combat-related posttraumatic stress disorder. Biol Psychiatry *40*, 1091-9; (Exhibit 37)
DK	38	Hastings, N. B., and Gould, E. (1999). Rapid extension of axons into the CA3 region by adult-generated granule cells. J Comp Neurol *413*, 146-54; (Exhibit 38)
DK	39	Heisler, L. K., Chu, H. M., Brennan, T. J., Danao, J. A., Bajwa, P., Parsons, L. H., and Tecott, L. H. (1998). Elevated anxiety and antidepressant-like responses in serotonin 5-HT1A receptor mutant mice. Proc Natl Acad Sci U S A *95*, 15049-54; (Exhibit 39)
DK	40	Henze, D. A., Wittner, L., and Buzsaki, G. (2002). Single granule cells reliably discharge targets in the hippocampal CA3 network *in vivo*. Nat Neurosci *5*, 790-5; (Exhibit 40)
DK	41	Jacobson, L., and Sapolsky, R. (1991). The role of the hippocampus in feedback regulation of the hypothalamic- pituitary-adrenocortical axis. Endocr Rev *12*, 118-34; (Exhibit 41)
DK	42	Kaplan, M. S., and Hinds, J. W. (1977). Neurogenesis in the adult rat: electron microscopic analysis of light radioautographs. Science *197*, 1092-4; (Exhibit 42)

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DK	44	Kempermann, G., Kuhn, H. G., and Gage, F. H. (1997). Genetic influence on neurogenesis in the dentate gyrus of adult mice. Proc Natl Acad Sci U S A *94*, 10409-14; (Exhibit 44)
DK	45	Kempermann, G., Kuhn, H. G., and Gage, F. H. (1997). More hippocampal neurons in adult mice living in an enriched environment. Nature *386*, 493-5; (Exhibit 45)
DK	46	Kirschenbaum, B., and Goldman, S. A. (1995). Brain-derived neurotrophic factor promotes the survival of neurons arising from the adult rat forebrain subependymal zone. Proc Natl Acad Sci U S A *92*, 210-4; (Exhibit 46)
DK	47	Kopp, C., Vogel, E., and Misslin, R. (1999). Comparative study of emotional behaviour in three inbred strains of mice. Behavioural Processes *47*, 161-74; (Exhibit 47)
DK	48	Kuhn, H. G., Dickinson-Anson, H., and Gage, F. H. (1996). Neurogenesis in the dentate gyrus of the adult rat: age-related decrease of neuronal progenitor proliferation. J Neurosci *16*, 2027-33; (Exhibit 48)
DK	49	Lai, K., Kaspar, B., Gage, F., and Schaffer, D. (2003). Sonic hedgehog upregulates adult neural progenitor proliferation *in vitro* and *in vivo*. Nature *Neuroscience* Vol.6 No.1, 21-27; (Exhibit 49)
DK	50	LeDoux, J. E., Cicchetti, P., Xagoraris, A., and Romanski, L. M. (1990). The lateral amygdaloid nucleus: sensory interface of the amygdala in fear conditioning. J Neurosci *10*, 1062-9; (Exhibit 50)
DK	51	LeDoux, J. E., Sakaguchi, A., and Reis, D. J. (1984). Subcortical efferent projections of the medial geniculate nucleus mediate emotional responses conditioned to acoustic stimuli. J Neurosci 4, 683-98; (Exhbit 51)
DK	52	Liberatore, G. T., Jackson-Lewis, V., Vukosavic, S., Mandir, A. S., Vila, M., McAuliffe, W. G., Dawson, V. L., Dawson, T. M., and Przedborski, S. (1999). Inducible nitric oxide synthase stimulates dopaminergic neurodegeneration in the MPTP model of Parkinson disease. Nat Med 5, 1403-9; (Exhibit 52)

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/Jamie E. Kim/	3/10/05

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DK	53	Malberg, J. E., Eisch, A. J., Nestler, E. J., and Duman, R. S. (2000). Chronic antidepressant treatment increases neurogenesis in adult rat hippocampus. J Neurosci *20*, 9104-10; (Exhibit 53)
DK	54	Manev, H., Uz, T., Smalheiser, N. R., and Manev, R. (2001). Antidepressants alter cell proliferation in the adult brain in vivo and in neural cultures in vitro. Eur J Pharmacol *411*, 67-70; (Exhibit 54)
DK	55	Masand, P. S., and Gupta, S. (1999). Selective serotonin-reuptake inhibitors: an update. Harv Rev Psychiatry 7, 69-84; (Exhibit 55)
DK	56	McEwen, B. S. (1999). Stress and hippocampal plasticity. Annu Rev Neurosci *22*, 105-22; (Exhibit 56)
DK	57	McNaughton, N. (1997). Cognitive dysfunction resulting from hippocampal hyperactivity--a possible cause of anxiety disorder? Pharmacol Biochem Behav *56*, 603-11; (Exhibit 57)
DK	58	Menard, J., and Treit, D. (2001). The anxiolytic effects of intra-hippocampal midazolam are antagonized by intra-septal L-glutamate. Brain Res *888*, 163-166; (Exhibit 58)
DK	59	Moore, G. J., Bebchuk, J. M., Wilds, I. B., Chen, G., Manji, H. K., and Menji, H. K. (2000). Lithium-induced increase in human brain grey matter. Lancet *356*, 1241-2; (Exhibit 59)
DK	60	Nakagawa, S., Kim, J. E., Lee, R., Malberg, J. E., Chen, J., Steffen, C., Zhang, Y. J., Nestler, E. J., and Duman, R. S. (2002). Regulation of neurogenesis in adult mouse hippocampus by cAMP and the cAMP response element-binding protein. J Neurosci *22*, 3673-82; (Exhibit 60)
DK	61	Nibuya, M., Morinobu, S., and Duman, R. S. (1995). Regulation of BDNF and trkB mRNA in rat brain by chronic electroconvulsive seizure and antidepressant drug treatments. J Neurosci *15*, 7539-47; (Exhibit 61)
DK	62	Nilsson, M., Perfilieva, E., Johansson, U., Orwar, O., and Eriksson, P. S. (1999). Enriched environment increases neurogenesis in the adult rat dentate gyrus and improves spatial memory. J Neurobiol *39*, 569-78; (Exhibit 62)
DK	63	Page, M. E., Detke, M. J., Dalvi, A., Kirby, L. G., and Lucki, I. (1999). Serotonergic mediation of the effects of fluoxetine, but not desipramine, in the rat forced swimming test. Psychopharmacology (Berl) *147*, 162-7; (Exhibit 63)

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DK	64	Parks, C. L., Robinson, P. S., Sibille, E., Shenk, T., and Toth, M. (1998). Increased anxiety of mice lacking the serotonin1A receptor. Proc Natl Acad Sci U S A *95*, 10734-9; (Exhibit 64)
DK	65	Pencea, V., Bingaman, K. D., Wiegand, S. J., and Luskin, M. B. (2001). Infusion of brain-derived neurotrophic factor into the lateral ventricle of the adult rat leads to new neurons in the parenchyma of the striatum, septum, thalamus, and hypothalamus. J Neurosci *21*, 6706-17; (Exhibit 65)
DK	66	Pham, T. M., Soderstrom, S., Winblad, B., and Mohammed, A. H. (1999). Effects of environmental enrichment on cognitive function and hippocampal NGF in the non-handled rats. Behav Brain Res *103*, 63-70; (Exhibit 66)
DK	67	Phillips, T. J., Hen, R., and Crabbe, J. C. (1999). Complications associated with genetic background effects in research using knockout mice. Psychopharmacology (Berl) *147*, 5-7; (Exhibit 67)
DK	68	Ramboz, S., Oosting, R., Amara, D. A., Kung, H. F., Blier, P., Mendelsohn, M., Mann, J. J., Brunner, D., and Hen, R. (1998). Serotonin receptor 1A knockout: an animal model of anxiety-related disorder. Proc Natl Acad Sci U S A *95*, 14476-81; (Exhibit 68)
DK	69	Santarelli, L., Gobbi, G., Debs, P. C., Sibille, E. T., Blier, P., Hen, R., and Heath, M. J. (2001). Genetic and pharmacological disruption of neurokinin 1 receptor function decreases anxiety-related behaviors and increases serotonergic function. Proc Natl Acad Sci U S A *98*, 1912-7; (Exhibit 69)
DK	70	Sargent, P. A., Kjaer, K. H., Bench, C. J., Rabiner, E. A., Messa, C., Meyer, J., Gunn, R. N., Grasby, P. M., and Cowen, P. J. (2000). Brain serotonin1A receptor binding measured by positron emission tomography with [11C]WAY-100635: effects of depression and antidepressant treatment. Arch Gen Psychiatry *57*, 174-80; (Exhibit 70)
DK	71	Seki, T., and Arai, Y. (1995). Age-related production of new granule cells in the adult dentate gyrus. Neuroreport *6*, 2479-82; (Exhibit 71)
DK	72	Seri, B., Garcia-Verdugo, J. M., McEwen, B. S., and Alvarez-Buylla, A. (2001). Astrocytes give rise to new neurons in the adult mammalian hippocampus. J Neurosci *21*, 7153-60; (Exhibit 72)

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DK	74	Sheline, Y. I., Wang, P. W., Gado, M. H., Csernansky, J. G., and Vannier, M. W. (1996). Hippocampal atrophy in recurrent major depression. Proc Natl Acad Sci U S A *93*, 3908-13; (Exhibit 74)
DK	75	Shephard, R. A., and Broadhurst, P. L. (1982). Hyponeophagia and arousal in rats: effects of diazepam, 5-methoxy-N,N-dimethyltryptamine, d-amphetamine and food deprivation. Psychopharmacology *78*, 368-72; (Exhibit 75)
DK	76	Shirayama, Y., Chen, A. C., Nakagawa, S., Russell, D. S., and Duman, R. S. (2002). Brain-derived neurotrophic factor produces antidepressant effects in behavioral models of depression. J Neurosci *22*, 3251-61; (Exhibit 76)
DK	77	Shors, T. J., Miesegaes, G., Beylin, A., Zhao, M., Rydel, T., and Gould, E. (2001). Neurogenesis in the adult is involved in the formation of trace memories. Nature *410*, 372-6; (Exhibit 77)
DK	78	Snyder, J. S., Kee, N., and Wojtowicz, J. M. (2001). Effects of adult neurogenesis on synaptic plasticity in the rat dentate gyrus. J Neurophysiol *85*, 2423-31; (Exhibit 78)
DK	79	Stein, M. B., Koverola, C., Hanna, C., Torchia, M. G., and McClarty, B. (1997). Hippocampal volume in women victimized by childhood sexual abuse. Psychol Med *27*, 951-9; (Exhibit 79)
DK	80	Tada, E., Parent, J. M., Lowenstein, D. H., and Fike, J. R. (2000). X-irradiation causes a prolonged reduction in cell proliferation in the dentate gyrus of adult rats. Neuroscience *99*, 33-41; (Exhibit 80)
DK	81	van Praag, H., Schinder, A. F., Christie, B. R., Toni, N., Palmer, T. D., and Gage, F. H. (2002). Functional neurogenesis in the adult hippocampus. Nature *415*, 1030-4; (Exhibit 81)
DK	82	Vitolo, O. V., Sant'Angelo, A., Costanzo, V., Battaglia, F., Arancio, O., and Shelanski, M. (2002). Amyloid beta -peptide inhibition of the PKA/CREB pathway and long-term potentiation: Reversibility by drugs that enhance cAMP signaling. Proc Natl Acad Sci U S A *99*, 13217-21; (Exhibit 82)
DK	83	Wang, S., Scott, B. W., and Wojtowicz, J. M. (2000). Heterogenous properties of dentate granule neurons in the adult rat. J Neurobiol *42*, 248-57; (Exhibit 83)

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DK	84	Williams, B. M., Luo, Y., Ward, C., Redd, K., Gibson, R., Kuczaj, S. A., and McCoy, J. G. (2001). Environmental enrichment: effects on spatial memory and hippocampal CREB immunoreactivity. Physiol Behav *73*, 649-58; (Exhibit 84)
DK	85	Willner, P., Muscat, R., and Papp, M. (1992). Chronic mild stress-induced anhedonia: a realistic animal model of depression. Neurosci Biobehav Rev *16*, 525-34; (Exhibit 85)
DK	86	Wong, M. L., and Licinio, J. (2001). Research and treatment approaches to depression. Nat Rev Neurosci *2*, 343-51; (Exhibit 86)
DK	87	Yoshimura, S., Takagi, Y., Harada, J., Teramoto, T., Thomas, S. S., Waeber, C., Bakowska, J. C., Breakefield, X. O., and Moskowitz, M. A. (2001). FGF-2 regulation of neurogenesis in adult hippocampus after brain injury. Proc Natl Acad Sci U S A *98*, 5874-9. (Exhibit 87)

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